30. (New) A system comprising:

a plurality of reverse communication channels; and

a plurality of forward communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize the same carrier frequency;

each of the plurality of reverse communication channels and each of the plurality of forward communication channels have a unique code;

the plurality of reverse communication channels and plurality of forward channels transmit data simultaneously.

31. (New) The system of claim 30, wherein each unique code is one of a plurality of mutually orthogonal codes.

32. (New) The system of claim 30, wherein:

each of the reverse communication channels is a communication channel for transmitting data from a mobile terminal to a base station; and

each of the forward communication channels is a communication channel for transmitting data from a base station to a mobile terminal.

33. (New) The system of claim 30, wherein:

each of the reverse communication channels is an uplink communication channel; and

each of the forward communication channels is a downlink communication channel.

34. (New) An apparatus comprising:

a transmitter configured to transmit data on a reverse communication channel; and

a receiver configured to receive data on a forward communication channel, wherein:

the reverse communication channel and the forward communication channel utilize the same carrier frequency;

the reverse communication channel and the forward communication channels each have a unique code;

the reverse communication channel and the forward communication channel are configured to transmit data simultaneously.

35. (New) The apparatus of claim 34, wherein each unique code is one of a plurality of mutually orthogonal codes.

36. (New) The apparatus of claim 34, wherein the apparatus is a mobile terminal.

37. (New) The apparatus of claim 34, wherein:

the reverse communication channel is an uplink communication channel; and

the forward communication channels is a downlink communication channel.

38. (New) An apparatus comprising:

a transmitter configured to transmit data on a plurality of forward communication channels; and

a receiver configured to receive data on a plurality reverse communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize the same carrier frequency;

each of the plurality of reverse communication channel and each of the forward communication channels each have a unique code;

the reverse communication channels and the forward communication channels are configured to transmit data simultaneously.

39. (New) The apparatus of claim 38, wherein each unique code is one of a plurality of mutually orthogonal codes.

40. (New) The apparatus of claim 38, wherein the apparatus is a base station.

41. (New) The apparatus of claim 38, wherein:

the reverse communication channels are uplink communication channels; and

the forward communication channels are downlink communication channels.

42. (New) A system comprising:

a forward communication channel;

a reverse communication channel; and

a means for transmitting the forward communication channel and the reverse communication channel simultaneously.